MINERAL EXPLORATION EXPECTED IN THE NORTHWEST TERRITORIES 1985

By Geological Staff

NAP GEOLOGY DIVISION

Yellowknife, NWT

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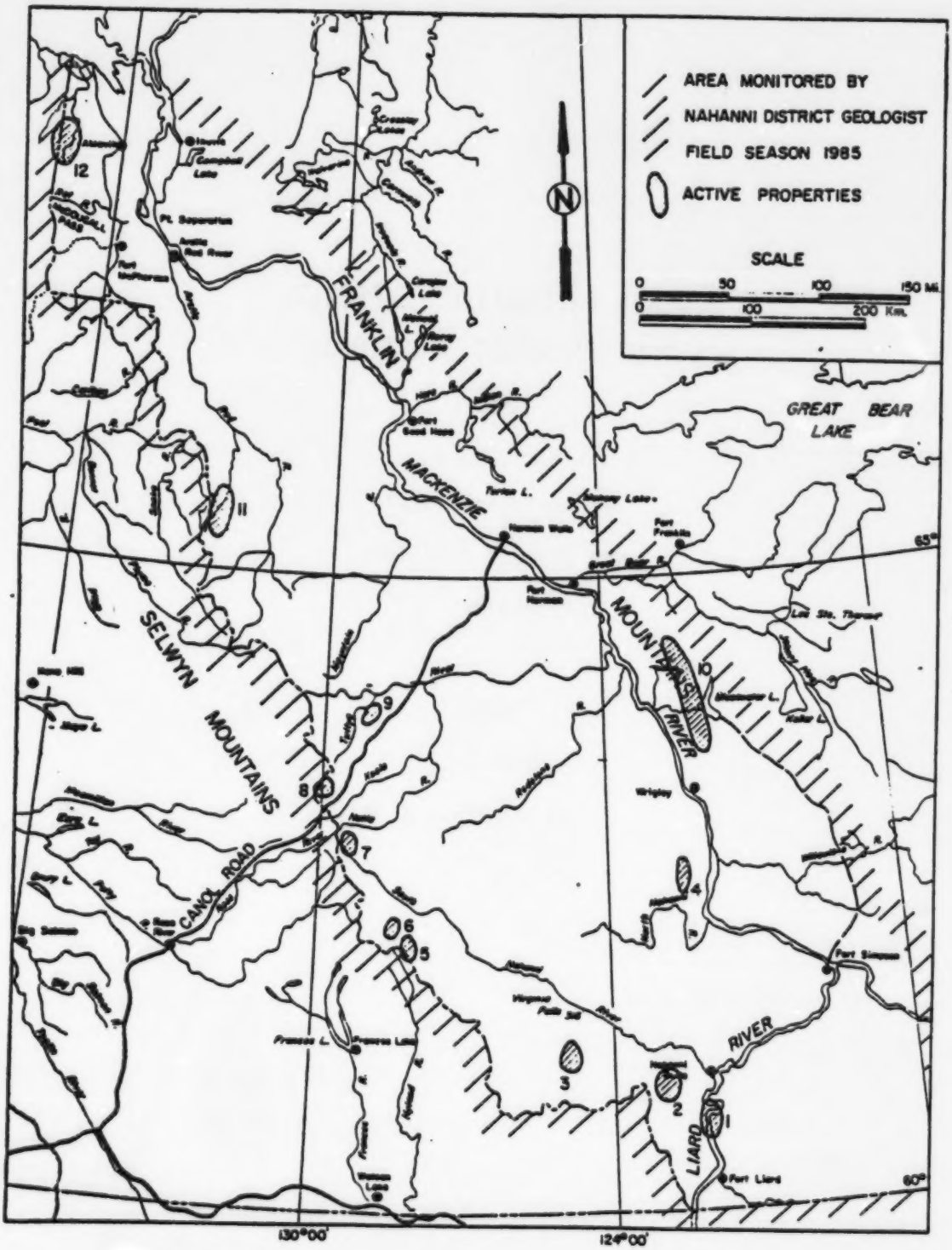

AREA MONITORED BY
NAHANNI DISTRICT GEOLOGIST
FIELD SEASON 1985
ACTIVE PROPERTIES
SCALE
0 50 100 150 Mi.
0 100 200 Km.
N
FRANKLIN
MACKENZIE
GREAT BEAR LAKE
SELWYN MOUNTAINS
MOUNTAIN RIVER
CANOL ROAD
LIARD RIVER
Fort Simpson
Fort Liard
65°
60°
130°00'
124°00'

MINERAL EXPLORATION EXPECTED IN THE NORTHWEST TERRITORIES 1985

The staff of the Geology Division, Northern Affairs Program in Yellowknife, NWT prepare each February a listing of mineral exploration expected during the coming year. Information is garnered from newspaper and trade paper accounts, company releases, Prospecting Permits issued (Table I), land use permit applications and discussions with exploration personnel.

The primary purpose of this account is to assemble the available information so that NWT residents will be more aware of mineral exploration that may be expected in their homeland. It is also made available to government officers and the Mineral Industry.

PROPOSED ACTIVITY IN CORDILLERA OF NWT
Nahanni District

1. HUDSON BAY OIL AND GAS will probably return to complete the work on their Prospecting Permits. Specifically a placer gold evaluation of several point bars that yielded high spot counts last year.

2. TLOGOTSHO PLATEAU: C. Jefferson and others plan to evaluate the mineral potential of the proposed extensions of the Nahanni National Park. District Geologist, C. Lord may assist and will examine some areas he is particulary concerned about.

3. EUGENE BARNES and others will continue to evaluate the placer gold potential of several creeks near the Flat River.

5. CANADA TUNGSTEN plans more detailed mapping and exploration drilling to the west of the Tungsten townsite.

6. ALEX BLACK will prospect around the MONA and JAY claims for silver, gold and lead. Some geophysical work is also planned.

6. E. LINBERG plans to prospect for gold in streams around the headwaters of Bologna Creek.

7. P. JONES and others will prospect for precious minerals around Mt. Wilson and O'Grady Lakes.

8. MACTUNG: Amax plans to continue detailed core examination and to collect bulk samples from underground for mill testing.

9. P. DODGE will continue evaluating the barite content of his claims.

10. BP/SELCO will mount a 4-6 week helicopter supported diamond exploration program in the Interior Plains and east towards Colville Lake.

11. CHRIS LORD (NAP - GEOLOGY) plans to examine some areas of the Road
12. River Formation (11) and gold showings, (12) reported west of Aklavik.

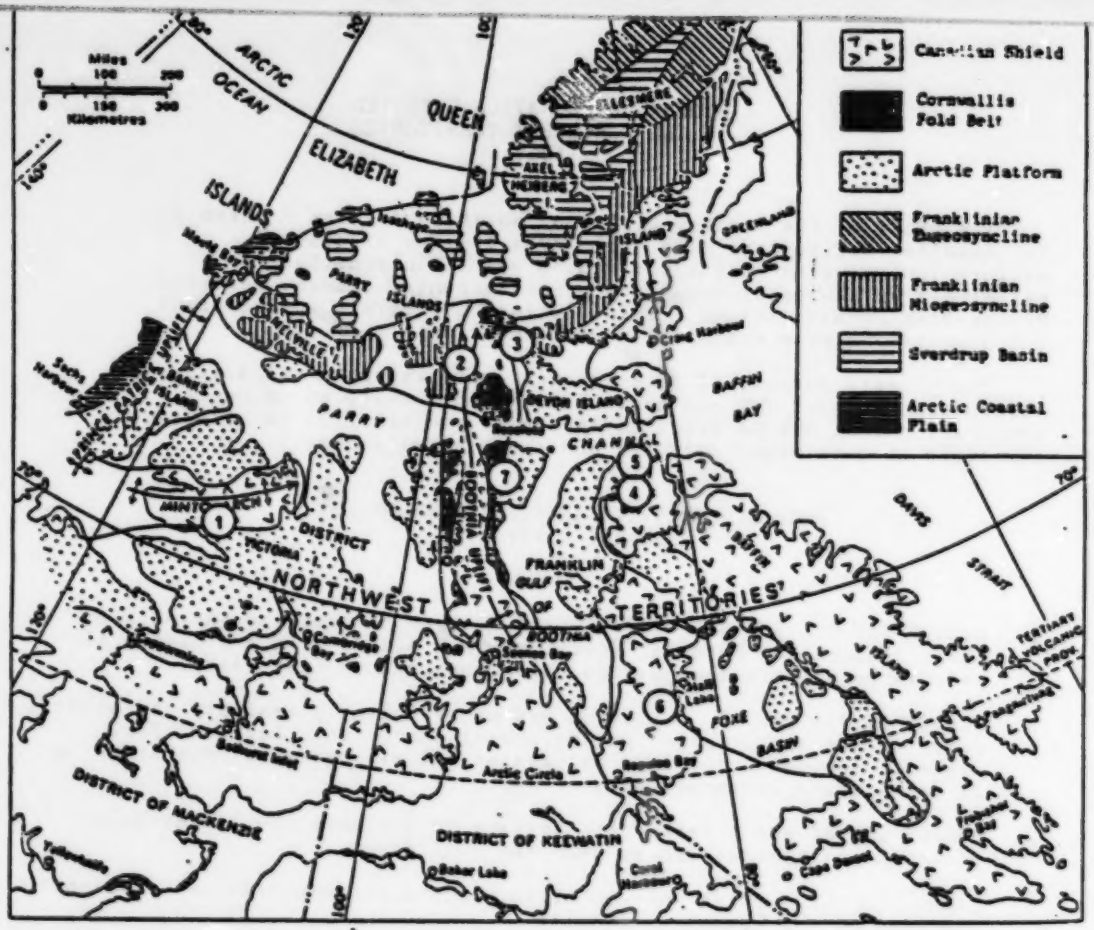


Figure 2 Work expected in the Arctic Islands

Figure 3 Southeastern Mackenzie District, expected exploration

ARCTIC ISLANDS - MELVILLE PENINSULA
(Worksite numbers keyed to Figure 2)

1. Panarctic Oils Ltd. will have 7 to 10 people working on their prospecting permits in the Shaler Mountains of Northwestern Victoria Island during June and July.

2. Cominco Ltd. will be doing exploration and ore definition at the Polaris mine.

3. It is believed that Tanqueray Resources Ltd. will continue surface exploration on Baille-Hamilton Island.

4. Nanisivik Mines Ltd. will do surface drilling, geophysics and mapping at several small zones near their mine and in the area to the west and southwest of the Mine.

5. PetroCanada (103912 Canada Inc.) will have a small field crew in the Elwin Inlet area, north of Nanisivik.

6. Borealis Exploration Ltd. expect to have at least one camp and crew exploring for precious and base metals in permit areas on Melville Peninsula.

7. Nunasi Corp. may have an exploration group in the Somerset Island region.

Southeast Mackenzie Region
(Worksite numbers keyed to Figure 3)

1. Highwood Resources Ltd. (A) Drilled at the Thor Lake Y-Be-Ta-Cb prospect in January. An underground bulk sampling project is in the planning stage. (B) Highwood Resources Ltd. recently staked cobalt showings on Blanchet Island and plan geophysical and mapping surveys.

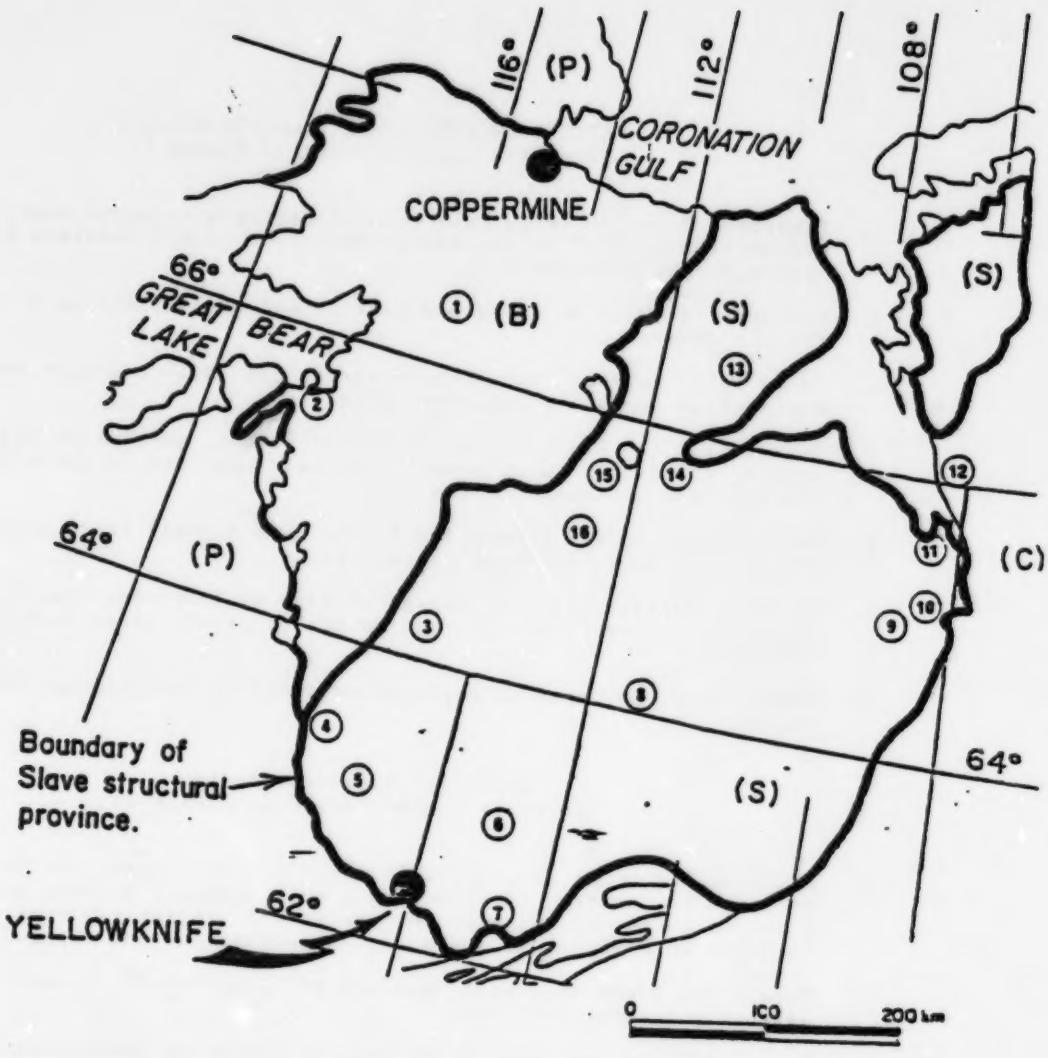
2. Pine Point Mines Ltd. will continue drilling and IP surveys on their extensive mineral holdings.

3. Enex Resources Ltd. plan trenching, drilling and geophysical surveys on nickel-copper-precious metal prospects in the Rutledge Lake area.

4. PNC Exploration (Canada) Ltd. will drill at northern Thekulthili Lake this summer.

5. PNC Exploration (Canada) Ltd. will conduct ground geophysical and lake-sediment geochemical surveys on recently acquired prospecting permits and adjacent areas near Eyeberry Lake.

6. Golden Rule Resource Ltd. may continue their SNOBIRD precious metals project in the Snowbird Lake area.



(S) SLAVE STRUCTURAL PROVINCE

(B) BEAR STRUCTURAL PROVINCE

(C) CHURCHILL STRUCTURAL PROVINCE

(P) PALEOZOIC OF INTERIOR PLATFORM

Figure 4: Exploration in the Bear and Slave.

EXPLORATION PROPOSED IN
Bear and Slave Provinces

BEAR PROVINCE

Central Electricity Generating Board Exploration (Canada) Ltd. will explore five Prospecting Permits in the Dumas Lake area (1).

Terra Mines Ltd., will probably explore near their mining properties in the Rainy Lake area (2).

SLAVE PROVINCE

Back River Joint Venture will explore new Prospecting Permits: ten in the Beechey Lake- Western River area (11) two between Casey Lake and the Back River (10). and another near the source of the Cracroft River (13). Details on the Program have not been released but it will probably include mapping of the permit areas. Further work is expected on properties acquired earlier in the Beechey Lake - Back River area.

Bow Valley Industries Ltd. is expected to maintain a scale of exploration similar to that of 1984, including drilling, in the Contwoyto Lake area (14). Ground will be explored under agreements with several junior companies.

Cominco Ltd. will explore claims in the Back River - Beechey Lake area (9), Courageous Lake area, Indin Lake area (3) and Russell Lake - Mosher Lake area (5). Not much drilling, except for that in progress on Roxwell Gold Mines, BS claims (8) is anticipated, though some may be done on claims in the Russell Lake area.

Echo Bay Mines Ltd. has large holdings in the Contwoyto Lake (14), Itchen (15) and Point Lakes (16) areas, including a newly acquired Prospecting Permit west of the Itchen River (15). Echo Bay also has a major interest in a joint venture with Comaplex Resources Ltd. and Petromet Resources Ltd, in the Indin Lake area (3) where encouraging drilling results have been obtained. Drilling began again in late January and vigorous exploration is expected to continue there and in most other areas.

Echo Bay obtained four Prospecting Permits just east of the Bathurst Trench.

Giant Bay Resources Ltd. are expected to continue drill tests on their property in the Gordon Lake area (8) and will probably explore other claim groups in the southern Slave Province.

Giant Yellowknife Mines Ltd. is expected to continue exploration in the Courageous Lake - Mackay Lake area, around their Salmita Mine (8).

Hot Resources Ltd. may drill on claims in the Slemon Lake area (4).

Noranda Exploration Company Ltd. has drilling planned in the Courageous Lake area (8) on American Chromium - Noranda Exploration Company - Getty Minerals Joint Venture ground.

Terra Mines Ltd., if successful in funding their exploration will no doubt continue their Bullmoose Lake project (7) where the installatiion of a small mill has been proposed.

Treasure Island Resources Ltd. plan trenching and sampling on their Spider Lake property, north of (3).

Several junior companies, and individual prospectors will run small programs provided the price of gold does not deteriorate significantly.

PROPOSED MINERAL EXPLORATION ACTIVITY, KEEWATIN

1985

DATA COLLECTED AND COMPILED: 85·02·05

COMPANY	AREAS TO BE EXPLORED	CAMP LOCATION NUMBER	SIZE OF CREW	TIME CAMP OCCUPIED	TYPE OF SURVEYS: Airborne Geophys.	Recon. Geochem.	Ground Geophys.	Ground Geochem.	Geology	Prospecting	Trenching	Diamond drilling	
ABERFORD RESOURCES LTD	SOUTH OF YATHKYED LAKE	7,8	5	JULY-AUG.			X	X	X	X			
BOREALIS EXPLORATION LTD	NORTHEAST OF COPPERMEEDLE RIVER	3	4-6	JULY-AUG.			X		X	X		P	
CANADIAN NICKEL COMPANY LTD	NORTH AND WEST OF WHALE COVE	1,2	4-7	MAY-JULY			X		X	X			
COMPLEX RESOURCES INTERNATIONAL LTD	WHITEHILLS AND TEHEK LAKES AREA	13	4-8	?					X	X			
CULLATON LAKE GOLD MINES LTD	SOUTH AND WEST OF CULLATON LAKE	4	?	?									
PNC EXPLORATION (CANADA) COMPANY LTD	SOUTH OF ABERDEEN LAKE	12	8	AUG.			X	X	X	X			
SUNCOR INC	MOUNTAIN AND TATINNAI LAKES AREA	5,6	20	MARCH - SEPT.			X		X	X		X	
URANGESELLSCHAFT CANADA LTD	WEST OF THE THELON RIVER	9	10	JUNE-AUG.			X	X	X	X		X	
	LONE GULL DEPOSIT	10	20	JUNE-SEPT.			X	X	X	X		X	
	SOUTH OF SCHULTZ LAKE	11	10	JUNE-AUG.			X	X	X	X		X	

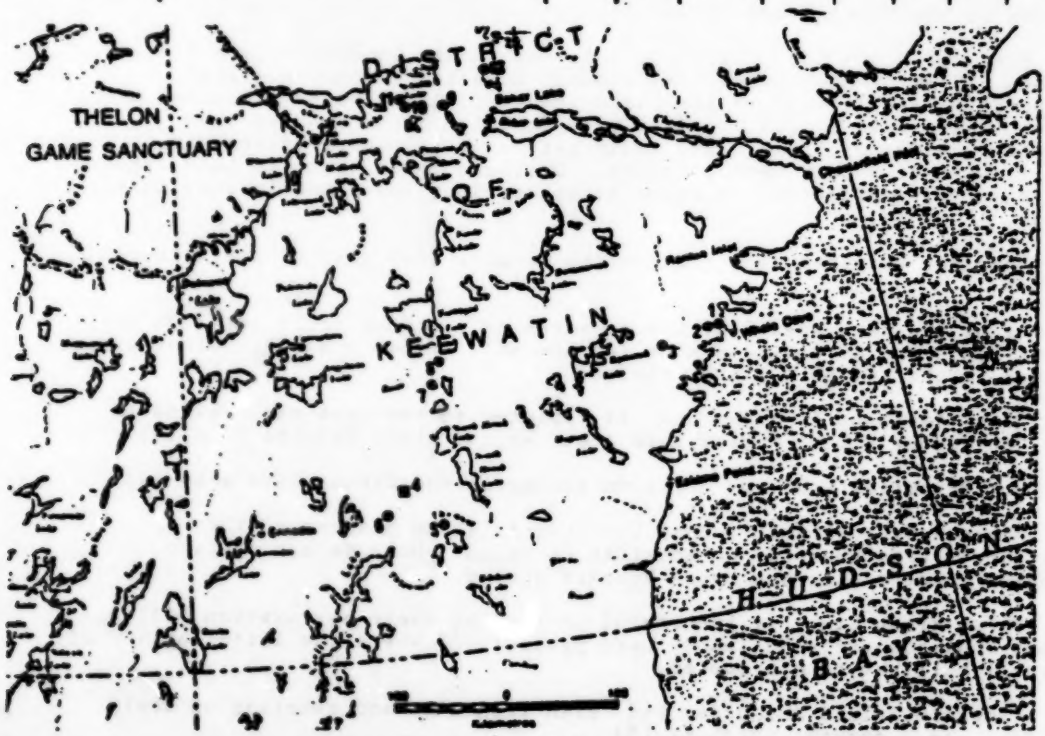


Figure 5. Exploration expected in the Keewatin in 1985

On February 1st 1985 Prospecting Permits were issued to cover the following NTS map areas:

Number	Location (N.T.S.)	Permittee
1026	86-K-8 NW	CENTRAL ELECTRICITY GENERATING
1027	86-K-8 NE	BOARD EXPLORATION (CANADA) LTD.
1028	86-K-9 NW	"
1029	86-K-9 SW	"
1030	86-K-9 SE	"
1031	76-L-10 SE	TRIGG, WOOLLETT, OLSON
1032	76-J-4 SE	CONSULTING LTD.
1033	76-G-13 NE	"
1034	76-G-15 SW	"
1035	76-G-15 SE	"
1036	76-G-16 SW	"
1037	76-G-10 NE	"
1038	76-G-11 NE	"
1039	76-G-9 SW	"
1040	76-G-10 SE	"
1041	76-G-10 SW	"
1042	76-G-3 NW	"
1043	76-G-3 SE	"
1044	48-D-5 SE	103912 CANADA INC.
1045	48-D-5 SW	"
1046	48-D-4 NE	"
1047	65-I-5 SE	ABERFORD RESOURCES LTD.
1048	65-I-5 SW	"
1049	65-I-5 NE	"
1050	65-I-6 SW	"
1051	65-I-6 NW	"
1052	86-G-3 SE	TAIGA CONSULTANTS LTD.
1053	76-G-6 SE	COMINCO LTD.
1054	76-G-6 SW	"
1055	76-G-3 NE	"
1056	46-P-12 NE	BOREALIS EXPLORATION LTD.
1057	46-P-12 NW	"
1058	46-P-12 SE	"
1059	46-P-12 SW	"
1060	46-P-5 NE	"
1061	46-P-5 NW	"
1062	46-O-8 NE	"
1063	46-O-8 NW	"
1064	46-N-1 NE	BOREALIS EXPLORATION LTD.
1065	46-N-1 NW	"
1066	76-J-1 SW	ECHO BAY MINES LTD.
1067	76-J-2 NW	"
1068	76-J-2 NE	"
1069	76-J-2 SE	"
1070	55-K-4 NW	BOREALIS EXPLORATION LTD.
1071	75-P-1 SW	PNC EXPLORATION (CANADA)
1072	75-I-15 NE	CO. LTD.
1073	55-K-6 SE	CANADIAN NICKEL COMPANY LIMITED
1074	86-H-10 NE	ECHO BAY MINES LTD.
1075	87-H-15 SE	PANARCTIC OILS LTD.
1076	87-F-16 NE	"
1077	66-H-1 SW	COMAPLEX RESOURCES
1078	66-A-9 NE	INTERNATIONAL LTD.